Altronix® eBridge4CR - IP over Coax

Rev. DSeBridge4CR_04042013

eBridge4CR

eBridge™

Overview

The eBridge4CR is a CAT5 to Coax cable Ethernet receiver. The receiver enables fast 10/100Base-T Ethernet digital communication to be received over Coax cable. This plug and play unit facilitates system upgrades from analog to IP cameras/devices utilizing existing legacy Coax and eliminating the costs and labor associated with installing new network cabling. In addition data transmission over the Coax can be extended to 1500' (five times the 100m/328ft Ethernet maximum length), eliminating the need for repeaters. At the same time the unit can combine Composite Video Signal with the Ethernet data enabling connection to an analog input on a monitor or matrix switch. ***The eBridge4CR is to be used with a compatible Sony Hybrid cameras with "sloc" technology. An eBridge1CT is required for other IP cameras/devices.***

Specifications

sloc™ Compliant:

- Incorporates *sloc™ (Security Link over Coax) technology.

Input:

- 24VDC to 56VDC UL Listed Class 2 power supply (polarity not observed) or UL Listed 24VAC Class 2 plug-in transformer.

Power Consumption:

- 24VDC/440mA, 56VDC/220mA, 24VAC/800mA.

Ethernet:

- Four (4) ports.
- Connectivity: RJ45, auto-crossover.
- Wire type: 4-pair Cat-5 or better structured cable.
- Distance: up to 328 ft. (100m).
- Speed: 10/100BaseT, half/full duplex, auto negotiation.
- Throughput is rated to pass 25mbps of data at distances up to 1500 ft. With proper headend equipment, multiple Megapixel cameras can be used.

Coax:

- Four (4) ports.
- Distance: up to 1,500 ft.
- Connectivity: BNC, RG-59/U or similar.

LED Indicators:

- Blue LED - Coax link connection.
- Yellow and Green LED (RJ45) IP Link status, 10/100Base-T/active.
- Green LED - Power.

Environmental:

- Operating Temperature: 14ºF to 122ºF (–10ºC to +50ºC).
- Storage Temperature: –22º to 158ºF (–30º to +70ºC) Storage.
- Humidity: 20 to 85%, non-condensing.

Electrical:

- BTU/Hr.:
  - 24VDC: 5.40 BTU/Hr.
  - 56VDC: 6.31 BTU/Hr.
  - 24VAC: 9.83 BTU/Hr.

Applications:

- Retrofit digital IP cameras in an analog CCTV installation.
- Works with Megapixel, HD720, HD1080 and VGA (SD) cameras.
- Extend Network link distance in an industrial environment.
- Upgrade deployed CCTV Coax to a digital network for Retail, Casinos, Airports, Schools, Hospitals, etc.
- Enables simultaneous transmission of composite and digital IP video.

Mechanical:

- Dimensions (H x W x D approx.): 1.625" (42mm) x 5.25" (133.35mm) x 8.5" (216mm)
- Product weight (approx.): 2.9 lbs. (1.32 kg).
- Shipping weight (approx.): 3.9 lbs. (1.77 kg).

* sloc is a registered trademark of Intersil Corporation.

Agency Approvals

c UL us UL/CUL Listed for Information Technology Equipment (UL 60950-1).

C-Tick Approved - Z1409

CE European Conformity